SILICON
CONSULTING ENGINEERS

NO.SC/QC/YRI/2019-20/W8-DN

Date: 15-02-2021

To,
The Executive Engineer,
RI,Yelahanka Division,
Bangalore.

"FREQUENCY AND QUALITY REPORT"

Dear Sir,

Subject: Regarding Quality Report for the below mentioned work.

Name of Work: Repair and Improvements to roads and drains and footpaths of Devinagar Main Road in ward no. 08 Kodigehalli

Item No	Description of work	Unit	Qty	No of Samples Tested	Standards
1	KSRB 14.6 : Providing and laying heavy duty cobble stones interlock pavers, 60mm thick	Sqm	239.41	1	Per 500 Sqm
2	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4	Nos	356.00	1	Per 500 Nos
3	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing	Cum	23.94	1	Per 400 cum

With respect to the above subject & name of the work, we have tested the materials and the Quantity of above mentioned items of the work was found to be completed satisfactorily for the 2nd and Final bill

Thanking you,

With Regards,

For Silicon Consulting Engineers

SILICON CONSULTING ENGINEERS

#S1317, 4th CROSS BEL 2nd STAGE BHARATH NAGAR ,BANGALORE – 560 091. CELL : 9448353883
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NO.SC/QC/YRI/2019-20/W8-DN

Date: 15-02-2021

To,
The Executive Engineer,
RI,Yelahanka Division,
Bangalore.

"PMC CERTIFICATE AND INSPECTION REPORT"

Dear Sir,

Subject: Regarding Inspection Report for the below mentioned work.

Name of Work: Repair and Improvements to roads and drains and footpaths of Devinagar Main Road in ward no. 08 Kodigehalli

Item No	Description of work	Unit	Qty	Remarks
1	KSRB 14.6 : Providing and laying heavy duty cobble stones interlock pavers, 60mm thick using cement and course sand for manufacture of blocks of approved size, shape and colour with a	Sqm	239.41	Work done upto the Billed Quantity and the Quality is Satisfactory
2	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished	Nos	356.00	Work done upto the Billed Quantity and the Quality is Satisfactory
3	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per	Sqm	643.27	Work done upto the Billed Quantity and the Quality is Satisfactory
4	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing by mix in	Cum	23.94	Work done upto the Billed Quantity and the Quality is Satisfactory
5	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied	Cum	124.50	Work done upto the Billed Quantity and the Quality is Satisfactory
6	KSRRB M800-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and	Cum	225.00	Work done upto the Billed Quantity and the Quality is Satisfactory

With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 2nd and Final bill

Thanking you,

With Regards,

For Silicon Consulting Engineers

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SC/QC/YRI/2020-21/W8-DN2-G1 Date: 18-01-2021

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (Grade-V) mix.
{Project*: Repair and Improvements to roads and drains and footpaths of Devinagar Main Road in ward no. 08 Kodigehalli.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
RI,Yelahanka Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

TEST RESULTS

1. **Gradation Test:**
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
75.00	**100.00**	100
53.00	**95.35**	80-100
26.50	**80.95**	55-90
9.50	**49.20**	35-65
4.75	**25.95**	25-50
2.36	**13.45**	10-20
0.85	**8.60**	2-10
0.425	**4.15**	0-5

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Badrappa Layout Main rd

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Assistant Executive Engineer
Road Infrastructure, (Yelahanka Division)
Bruhat Bengaluru Mahanagara Palike
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Date: 18-01-2021

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS 383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	0.44%	Not more than 2.0 %
2.	Liquid Limit, %	18.74	Not more than 25.0 %
3.	Plasticity Index, %	NP	Not more than 6.0 %
4.	Moisture Content, %	6.32	----------
5.	Aggregate Impact Value, %	27.90	Not more than 40.00 %

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Badrappa Layout Main rd

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Assistant Executive Engineer
Road Infrastructure, (Yelahanka Division)
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SC/QC/YRI/2020-21/WS-DN2-PB Date: 22-01-2021

TEST REPORT

Sub: Testing of Pre-cast Paver Blocks.

{Project*: Repair and Improvements to roads and drains and footpaths of Devinagar Main Road in ward no. 08 Kodigehalli.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
RI,Yelahanka Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

PHYSICAL TESTS ON PRECAST PAVER BLOCKS.

1.COMPRESSIVE STRENGTH:

Sl No	Identification	Compressive Strength, N/mm^2	Average Compressive Strength, N/mm^2
1	001	34.25	34.32
2	002	33.80	
3	003	34.90	

2. WATER ABSORPTION TEST:

Sl No	Identification	Water absorption %	Average value %
1	001	1.92	1.95
2	002	2.04	
3	003	1.90	

The result of the materials tested meets the standards and hence can be used for the work.

Sample Collected Site : Badrappa Layout Main rd

Assistant Executive Engineer
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SC/QC/YRI/2020-21/W8-DN2-K1 Date: 22-01-2021

TEST REPORT

Sub: Testing of Pre-cast Material-Kerb Stones.
{Project*: Repair and Improvements to roads and drains and footpaths of Devinagar Main Road in ward no. 08 Kodigehalli.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
RI,Yelahanka Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

1. PHYSICAL TESTS ON KERB STONES :

Sl No.	Identification	Flexural strength, fcr in N/sqmm	Characteristic Compressive Strength, fck in N/sqmm	Avg. Characteristic. Compressive Strength fck in N/sqmm	Remarks
1	001	3.35	22.95	**22.83**	As per Cl. 6.2.2 of IS 456- 2000, fcr=0.7√ fck
2	002	3.29	22.10		
3	003	3.39	23.45		

2. WATER ABSORPTION TEST

Sl No	Identification	Water absorption %	Average value %
1	001	4.76	**4.66**
2	002	4.64	
3	003	4.58	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Badrappa Layout Main rd

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